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**LABORATORY**  
OF THE  
**INLAND REVENUE DEPARTMENT**  
**OTTAWA, CANADA**

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**BULLETIN No. 237**

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**LARD.**

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OF THE  
**INLAND REVENUE DEPARTMENT**  
OTTAWA, CANADA

**BULLETIN No. 237**

**LARD**

Wm. Himsorth, Esq.,  
Ass't Deputy Minister, Inland Revenue Dept.,  
Ottawa.

OTTAWA, May 13, 1912.

SIR.—I beg to report upon 268 samples purchased as lard during the months of October and November of last year. These samples have been examined as regards their genuineness from the point of view of their conformity to the requirements of an Order-in-Council in effect from November 22, 1910, which defines lard as follows:—

1. Lard is the rendered fresh fat from hogs in good health at the time of slaughter, is clean, free from rancidity, and contains, necessarily incorporated in the process of rendering, not more than one (1) per cent, of substances other than fatty acids and fat.

2. Leaf lard is lard rendered at moderately high temperatures from the internal fat of the abdomen of the hog, excluding that adherent to the intestines, and has an iodine number not greater than sixty-five (65) and contains not more than one (1) per cent, of substances other than fatty acids and fat.

3. Compound lard; Lard compound, etc., is a mixture of animal and vegetable fats and oils. It must be free from rancidity, be made from sound and pure materials, and contain not more than one (1) per cent of substances other than fatty acids and fat.

The articles herein reported were sold to our inspectors as lard, with one exception, No. 45557, which was labelled as a compound.

It will be noted that allowance of only one per cent of substances other than fatty acids and fat, is common to all the grades of lard defined. Three samples of this collection contain an excess of water, but the amount is in two instances, so slightly beyond legal limits that it must be regarded as accidental. The cases in question are:—

	Water.
No. 37312—Ingersoll Packing Co. . . . .	2·09
" 47376— " " . . . . .	1·17
" 48472—P. Burns Co. . . . .	1·14

Two samples sold as lard, contain cotton seed oil, and should have been sold as compound. These are No. 1389 and No. 38242.

All other samples, 262 in number, conform to the requirements of legal lard, and must be regarded as genuine.

It will be observed that many samples judged as genuine, give a distinct reaction with the Halphen test for cotton seed oil. I am convinced that the indications of this test considered by themselves, are not sufficiently positive to furnish a basis for pronouncing cotton seed oil present, with intent. Hogs which have been fed with cotton seed meal may yield a fat which gives the red coloration with Halphen's re-agent. Unless the absorption of iodine confirm the Halphen test, I do not regard the presence of cotton seed oil as established.

The last report upon lard was published as Bulletin 193, in December, 1909. On the whole, this article appears to be of good quality; and the occasional sale of a compound lard for the genuine is to be regarded rather as an act of carelessness on the part of the retail dealer, than as intentional on the part of the manufacturer. Our inspection shows that manufacturers of compound lard are careful to state correctly the nature of the article on the container.

I beg to recommend the publication of this report as Bulletin No. 237.

I have the honour to be, sir,

Your obedient servant,

A. McGILL,  
*Chief Analyst.*

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	
					Quantity.	Gents.

## DISTRICT OF NOVA SCOTIA—

1911.							
Nov. 8	Lard.....	46741	R. B. Adams & Co., 1 lb., Halifax, N.S.	17	Swift Co., Chicago...	Davis & Fraser, Hali-	fax, N.S.
" 8	" .....	46742	P. T. Shea, Halifax, 1 "	20	J. Morrell, Ottumwa, U.S.	Mfr .....	
" 8	" .....	46743	G. Hirshfield, Halifax, 1 "	14	Vendor.		
" 8	" .....	46744	Thos. Spry, Halifax, 1 "	17	" .....	N.S.	
" 9	" .....	46745	J. A. Leaman & Co., 1 "	18	Vendors.		
" 9	" .....	46746	A. L. Doyle & Co., 1 "	17	" .....	Halifax, N.S.	
" 9	" .....	46747	T. J. Brown, Halifax, 1 "	18	Swift Co., Chicago...	Wentzells Ltd.,	
" 9	" .....	46748	W. C. DeEay, Halifax, 1 "	18	Wm. Davies, Co.,	Halifax, N.S.	
" 9	" .....	46749	F. S. Short, Halifax, 1 "	18	F.W. Fearman, Ham-	Davis & Fraser, Hali-	
" 10	" .....	46750	Hy. Cook, Halifax, 1 "	15	ilton.	fax, N.S.	
" 10	" .....	46751	J. H. Emmett, Halifax, 1 "	15	" .....	Mfr .....	
" 10	" .....	46752	J. G. Mitchell, Halifax, 1 "	17	" .....	N.S.	
" 10	" .....	46753	J. A. Bremner, Halifax, 1 "	18	Wm. Davies, Co., R. B. Caldwell,	agent, Halifax,	
" 13	" .....	46754	Davis & Fraser, Hali- fax, N.S.	14	Toronto, Ont.	N.S.	
" 14	" .....	46755	O. Lyons, Kentville, 1 "	18	F. W. Fearman, Co.,	Mfrs .....	
" 15	" .....	46756	S. L. Cross, Kentville, 1 "	18	Hamilton, Ont.		
" 16	" .....	46757	Dixon Ltd., Halifax, 1 "	17	Park Blackwell, Toro-	" .....	
" 16	" .....	46758	Shore & Campbell, 1 "	18	nto, Ont.		
" 17	" .....	46759	S. Thomson, Dart- mouth, N.S.	16	Wm. Davies, Co., R. B. Caldwell,	agent, Halifax,	
" 17	" .....	46760	Forsyth, Jr., Dart- mouth, N.S.	18	Toronto, Ont.	N.S.	

## DISTRICT OF PRINCE EDWARD ISLAND—

Oct. 16	Lard.....	46106	John McKenna, Charlottetown, P.E.I.	1 lb..	18	Morris & Co., Chi-	cago.
" 16	" .....	46107	R. F. Maddigan & Co., Charlottetown, P.E.I.	1 "	18	Davis & Fraser, Charlottetown, P.E.I.	
" 17	" .....	46108	S. Sanderson & Co., Charlottetown, P.E.I.	1 "	16	Langs, Montreal	
" 18	" .....	46109	Stewart & Son, Charlottetown, P.E.I.	1 "	16	Morris & Co., Chi-	cago.
" 21	" .....	46110	James Kennedy, Kensington, P.E.I.	1 "	17	Vendor.	

## LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULT OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Number (Hans).	Brix Refractometer at 40° C.	Falphen Reaction.		

R. J. WAUGH, INSPECTOR.

	p.c.					
'Silver Leaf' Brand.....	0·04	67·96	51·1	None .....	46741	Genuine.
.....	0·02	66·30	50·0	Faint Pink..	46742	"
.....	0·03	55·39	50·2	" .....	46743	"
Leaf Lard.....	0·03	55·37	49·6	None .....	46744	"
.....	0·10	52·68	49·5	" .....	46745	"
.....	0·04	60·76	50·3	Faint Pink..	46746	"
'Silver Leaf' Brand.....	0·03	66·58	51·1	" .....	46747	"
Leaf Lard.....	0·04	62·02	50·4	" .....	46748	"
'Star' Brand.....	0·02	63·00	50·7	None .....	46749	"
.....	0·03	56·27	49·5	" .....	46750	"
.....	0·04	55·68	49·8	" .....	46751	"
Sold as pure.....	0·05	60·03	50·0	" .....	46752	"
.....	0·05	59·39	50·1	Faint Pink..	46753	"
Labelled pure leaf Lard.....	0·03	54·21	50·0	None .....	46754	"
.....	0·09	55·11	51·3	Faint Pink..	46755	"
.....	0·05	56·36	51·4	" .....	46756	"
.....	0·02	59·67	50·1	" .....	46757	"
.....	0·02	58·63	50·1	" .....	46758	"
.....	0·02	58·75	50·6	" .....	46759	"
.....	0·04	57·63	51·0	" .....	46760	"

WM. A. WEEKS, INSPECTOR.

.....	0·02	58·16	50·0	None .....	46106	Genuine.
.....	0·02	57·36	49·5	" .....	46107	"
.....	0·04	60·61	50·6	Light pink..	46108	"
.....	0·03	59·83	50·0	None .....	46109	"
.....	0·04	51·93	49·8	" .....	46110	"

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	
					Quantity.	Cents.

## DISTRICT OF PRINCE EDWARD ISLAND—

Oct.	21	Lard.....	46111 R. T. Holman, Ltd., Summerside, P.E.I.	1 lb ..	15	Wm. Davis & Son, Toronto.
"	21	" .....	46112 Brace McKay Co., Summerside, P.E.I.	1 .....	16	Davies Ltd., Montreal.
"	26	" .....	46113 D. J. McLean, Montague, P.E.I.	1 .....	16	Jno. Tobin & Co., Halifax.
"	27	" .....	46114 W. W. Jenkins, Georgetown,	1 .....	16	The Wm. Davies & Co., Ltd., Toronto.
"	31	" .....	46115 T. Strickland, Charlottetown, P.E.I.	1 .....	18	Vendor.....

## DISTRICT OF NEW BRUNSWICK—

Oct.	13	Lard.....	45540 John Hopkins, St. John N.B.	1 lb ..	16	Vendor.....
"	14	" .....	45541 F. E. Williams Co., Ltd., St. John, N.B.	1 .....	18	Vendors.....
"	18	" .....	45542 G. B. Taylor, St. John, N.B.	1 .....	Nil.	Vendor .....
"	18	" .....	45543 Slipp & Flewelling, St. John, N.B.	1 .....	16	Vendors.....
"	18	" .....	45544 Carpenter & Co., St. John, N.B.	1 .....	15	D. B. Martin Ltd., West Toronto, Ont.
"	24	" .....	45545 D. McDade, St. John, N.B.	1 .....	16	Vendor.....
"	24	" .....	45546 2 Barkers, Ltd., St. John, N.B.	1 .....	14	The Park Blackwell Co., Ltd., Toronto.
"	24	" .....	45547 James Collins, St. John, N.B.	1 .....	18	Gunn's, West Toronto, Ont.
Nov.	3	" .....	45548 P. F. McKenna, St. Stephen, N.B.	1 .....	14	Swift Co. Ltd., U.S.A.
"	7	" .....	45549 John McCluskey, Fred-erictton, N.B.	1 .....	15	The Wm. Davies Co. Ltd., Montreal.
"	8	" .....	45550 Imperial Packing Co., Ltd., Woodstock, N.B.	1 .....	15	Vendors .....
"	8	" .....	45551 W. S. Skillen, Woodstock, N.B.	1 .....	16	Gunn's, Ltd., Toronto, Ont.
"	9	" .....	45552 B. Beveridge, Andover, N.B.	1 .....	17	" .....
"	10	" .....	45553 F. D. Sadler, Perth, N.B.	1 .....	17	Fowler's Can. Co. Ltd., Hamilton, Ont.
"	14	" .....	45554 Sussex Packing Co., Ltd., Sussex, N.B.	1 .....	15	Vendors .....
"	15	" .....	45555 D. A. McBeath, Moncton, N.B.	1 .....	17	F. W. Fearman Co., Ltd., Hamilton, Ont.
"	15	" .....	45556 Wm. P. White, Moncton, N.B.	1 .....	15	Davis & Fraser, Charlottetown, P.E.I.
"	16	Lard Com-pound.	45557 D. & J. Ritchie & Co., New Castle, N.B.	1 .....	15	The N. K. Fairbank's Co., Montreal.
"	17	Lard.....	45558 A. J. Meahan, Bathurst, N.B.	1 .....	15	Gunn's Ltd., West Toronto, Ont.
"	17	" .....	45559 W. J. Kent & Co., Ltd., Bathurst, N.B.	1 .....	15	F. W. Fearman Co., Ltd., Hamilton, Ont.
"	17	" .....	45580 Adams Burns Co., Ltd., Bathurst, N.B.	1 .....	15	Laing, P. & P. Co., Montreal.

## LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULTS OF ANALYSIS.					Remarks and Opinion of the Chief Analyst
	Water.	Iodine number (Hanus).	Buylro Refractometer at 40° C.	Halphen Reaction.	No. of Sample.	

WM. A. WEEKS, INSPECTOR—*Concluded.*

	p.e.					
	0·02	58·42	50·4	None .....	46111	Genuine.
	0·01	61·02	50·3	" .....	46112	"
Swifts.....	0·02	67·64	51·2	" .....	46113	"
	0·02	58·42	50·2	" .....	46114	"
	0·04	52·75	49·1	" .....	46115	"

J. C. FERGUSON, INSPECTOR.

.....	0·04	56·25	49·2	None. ....	45540	Genuine.
.....	0·04	56·69	50·0	" .....	45541	"
.....	0·04	58·34	49·9	" .....	45542	"
.....	0·06	57·28	49·8	" .....	45543	"
.....	0·03	61·97	50·8	" .....	45544	"
.....	0·03	50·19	49·3	" .....	45545	"
.....	0·09	55·83	51·7	" .....	45546	"
.....	0·09	58·98	50·2	" .....	45547	"
" Silver Leaf" Brand..	0·04	66·38	51·2	Pink.....	45548	"
.....	0·04	60·57	50·3	" .....	45549	"
.....	0·17	54·79	49·4	Light Pink.	45550	"
.....	0·04	57·73	50·7	None.....	45551	"
.....	0·04	60·36	50·5	" .....	45552	"
.....	0·04	60·48	51·0	" .....	45553	"
.....	0·03	55·76	49·7	" .....	45554	"
" Star" Brand.....	0·02	61·27	50·9	" .....	45555	"
.....	0·02	57·55	49·9	" .....	45556	"
" Boar's Head" Compound..	0·02	95·94	56·7	Red.....	45557	Sold as compound.
.....	0·03	60·73	50·3	Faint Pink..	45558	Genuine.
.....	0·03	62·63	51·0	Light Pink..	45559	"
.....	0·03	60·77	50·2	Faint Pink..	45580	"

## BULLETIN No. 237.—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	COST.		Name and address of Manufacturer or Furnisher, as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
DISTRICT OF QUEBEC—							
1911.							
Oct. 12	Lard.....	36998	Cantin & Frère, 271 rue 1 St-Joseph, Quebec.	1 lb.	18	Blackwell Co., Toronto.	Unknown.....
" 13	" .....	36999	G. Gingras, 265 rue du Roi, Quebec.	"	20	Mathews, Peterboro.	J. B. Renaud et Cie.
" 16	" .....	37000	O. Lacroix, 19 rue St-Joseph, Quebec.	"	16	A. Dombrosky.....	Manufacturer.....
" 16	" .....	37301	J. E. Gregoire, 128 rue du Pont, Quebec.	"	15	G. Mathews Co., Hull.	Emond and Côté....
" 17	" .....	37302	W. Cantin, 133 rue du Pont, Quebec.	"	18	Ingersalt Co., Montreal.	J. B. Renaud et Cie.
" 19	" .....	37303	A. Pichette, 176 rue D'Orchester, Quebec.	"	18	Davis, Toronto.	" .
" 19	" .....	37304	Louis Jobin, 156 rue D'Orchester, Quebec.	"	20	Leon Bertrand .....	Manufacturer.....
" 19	" .....	37305	J. D. Marier, 136 rue D'Orchester, Quebec.	"	16	Gunn's Ltd, Toronto.	W. Carrier et Cie...
" 20	" .....	37306	W. Pampalon, 120 rue D'Orchester, Quebec.	"	20	Imperial, Hamilton.	N. Turcot et Cie...
" 20	" .....	37307	J. F. Goslin, 50 rue D'Orchester, Quebec.	"	20	Sylvain & Frere.....	Manufacturers.....
" 20	" .....	37308	Mad. T. Savard, 16 rue D'Orchester, Quebec.	"	20	Mathews .....	J. B. E. Letellier ..
" 20	" .....	37309	Mad. Theodul Dubuc, 135 rue Charest, Que.	"	15	" .....	" .
" 23	" .....	37310	A. A. Cantin, 555 rue St. Valier, Quebec.	"	18	Follor Cannille, Hamilton.	J. B. Renaud et Cie.
" 23	" .....	37311	J. E. Morand, 406 rue St. Valier, Quebec.	"	20	" .....	" .
" 23	" .....	37312	J. E. Emond, Laliberté and St. Hélène, Que.	"	18	Ingersall Packing Co.	Unknown.....
" 23	" .....	37313	L. Mercier, 118 rue Laliberté, Quebec.	"	18	Geo. Mathews & Co., Ltd.	Drouin & Frère....
" 24	" .....	37314	Alfred Cloutier, 132 rue Laliberté, Quebec.	"	18	Ingersoll, Ont. ....	J. B. E. Letellier ..
" 24	" .....	37315	Ed. Verreault, 204 rue de la Reine, Quebec.	"	18	Fowlers, Hamilton.	Octave Jacques....
" 24	" .....	37316	F. X. Gosselin, 115 rue de la Couronne, Que.	"	16	Mathews, Hull.....	J. B. E. Letellier...
" 24	" .....	37317	G. H. Turcotte, 92 rue Caron, Quebec.	"	17	Emond & Côté ..	Manufacturers.....

## DISTRICT OF ST. HYACINTHE—

Oct.	25	Lard.....	1370	A. E. D'Artois & Fils, Farnham.	1 lb.	18	The Harris Abattoirs Co., Ltd., Montreal.	.....
"	25	" .....	1371	Ed. Bienvenu, Farnham.	"	16	The Park Blackwell Co., Ltd., Toronto.	.....
"	26	" .....	1372	W. R. Horner, Granby.	"	16	Gunn's Ltd., West Toronto.	.....
"	26	" .....	1373	W. D. Bradford, Granby.	"	15	The Laing P. & P. Co., Ltd., Montreal.	.....
"	26	" .....	1374	Allan Taylor & Co., Waterloo.	"	15	" .....	.....
"	26	" .....	1375	Gilmore & Girard, Waterloo.	"	15	The Park Blackwell Co., Ltd., Toronto.	.....
"	26	" .....	1376	Mde a D'Lebeau, Sutton.	"	15	Hudon & Orsali, Montreal.	.....

TABLE LARD.

Inspector's Report (Is not an expression of opinion).	RESULTS OF ANALYSIS.					No. of Sample.	Remarks and Opinion on the Chief Analyst.
	Water.	Iodine Num. (Ha- ber nus).	Bulbyro re- fractometer at 40°C.		Halphen Reaction.		

## F. X. W. E. BELAND, INSPECTOR.

	p.e.						
	0·45	55·96	50·2	None.....	36998	Genuine.	
	Trace.	57·54	51·5	Faint Pink.	36999	"	
	"	56·12	50·5	"	37000	"	
	None.	62·04	51·1	"	37301	"	
		1·08	51·40	49·8	None.....	37302	"
		0·11	60·55	50·3	" .....	37303	"
	Trace.	62·87	51·1	" .....	37304	"	
	"	58·60	50·2	" .....	37305	"	
	"	62·39	50·8	" .....	37306	"	
		0·35	59·22	50·2	" .....	37307	"
Pure Lard.....	Trace.	63·38	51·0	" .....	37308	"	
" .....	"	61·97	50·4	Faint Pink.	37309	"	
" .....	"	60·52	50·2	None. ....	37310	"	
" .....	"	63·87	50·6	" .....	37311	"	
" .....	2·09	56·30	50·7	" .....	37312	Excess water.	
" .....	Trace.	60·67	50·3	" .....	37313	Genuine.....	
" .....	"	56·91	50·8	" .....	37314	"	
" .....	"	59·28	50·1	Light Pink.	37315	"	
" .....	"	60·50	50·9	None. ....	38316	"	
" .....	"	63·02	50·8	" .....	37317	"	

## J. C. ROULEAU, INSPECTOR.

	0·02	59·32	50·0	Faint Pink..	1370	Genuine.
	0·22	58·02	51·5	None .....	1371	"
	0·02	64·46	51·0	Faint Pink..	1372	"
	0·04	61·63	50·6	Pink....	1373	"
	0·04	62·38	50·3	Red.....	1374	"
	0·03	62·00	50·4	None.....	1375	"
	0·03	58·25	50·0	" .....	1376	"

BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.			
					Quantity.	Cents.	Manufacturer.	Furnisher.
<b>DISTRICT OF ST. HYACINTHE -</b>								
1911.								
Nov. 6	Lard	1377	Bray Bros., Sherbrooke.	3 lbs.	.55		The Ingersoll Packing Co., Ltd., Ingersoll, Ont.	
" 6	"	1378	King's Cash Store, Thetford.	1 "	.13		Armour's Packing Co., Chicago.	
" 8	"	1379	C. E. Roy, Megantic.	1 "	.15		Fowler's Canadian Co., Ltd., Hamilton.	
" 9	"	1380	E. A. McKee, Coaticook.	1 "	.15		The Laing P. & P. Co., Ltd., Montreal.	
" 9	"	1381	Meade Bros. & Co., North Coaticook.	1 "	.14		D. S. Bachand, Coaticook.	
" 11	"	1382	F. W. D. Melloon, Rock Island.	1 "	.14		Armour & Co., Chicago.	
" 11	"	1383	J. A. Surprenant, Rock Island.	1 "	.13		Vendor.	
" 21	"	1384	J. P. René, Nicolet.	1 "	.15		L. Chaput fils & Cie, Montreal.	
" 21	"	1385	A. D. René, Nicolet.	1 "	.14			
" 22	"	1386	L. H. Paquin & Cie, Sorel.	1 "	.17		The Whyte Packing Co., Ltd., Stratford.	
" 22	"	1387	J. V. Fagnan, Sorel.	1 "	.15		The Laing Co., Montreal.	
" 23	"	1388	J. B. St. Pierre, St. Hyacinthe.	1 "	.17		Davies, Ltd., Montreal.	
" 23	"	1389	Bazinet & Brodeur.	1 "	.16		National Packing Provision Co., Quebec.	

**DISTRICT OF MONTREAL—**

Oct.	23	Lard.....	40941 J. E. Belisle, 129 Wellington St., Montreal	20				
"	23	" .....	40942 J. Caron, 252 Church St., Verdun, P.Q....	14	D. B. Martin, Toronto			
"	23	" .....	40943 " " " " 1 " 15 Davies Ltd., Montreal	15				
"	23	" .....	40944 A. Clarke, 244 Church St., Verdun, P.Q....	15			Gunn, Langlois &	
"	23	" .....	40945 Louis Leblanc, 1421 Church St., Verdun, P.Q.	15			Co., Montreal.	
"	23	" .....	40946 O. Brunet, 1265 Wellington St., Verdun, P.Q.	20				
"	23	" .....	40947 Robitaille & Gauthier, 12 Craig West, Montreal.	18	McDuff Lamb, Montreal.			
"	23	" .....	40948 P. H. Theoret, 21 Vitre St. E., Montreal.	20	Laing P. & F. Co., Ltd., Montreal.			
"	23	" .....	40949 R. Bernard, 91 Laguerre St., Montreal.	15			Lunham & Graham,	
"	23	" .....	40950 E. Lioniannis, 56 Sainte-Justine St., Montreal.	17			Montreal.	
"	24	" .....	40951 Jos. Fournelle, St. Agathe de Monts, P.Q.	15	Davies Ltd., Montreal			

## LARD.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Number(Haus.)	Butyno Refractometer at 40°C.	Halphen Re- action.	

J. C. ROULEAU, INSPECTOR—*Concluded.*

	p. c.				
Pure Lard.....	0·03	59·31	50·2 Faint Pink..	1377	Genuine
.....	0·03	66·13	51·0 " ..	1378	"
Pure Lard.....	0·04	64·25	50·7 None.....	1379	"
Extra Pure Lard.....	0·07	61·40	50·3 Red.....	1380	"
.....	0·04	68·58	51·2 Faint Pink..	1381	"
.....	0·03	67·83	51·1 Pink.....	1382	"
.....	0·03	59·35	50·1 None... .	1383	"
Extra Pure Lard.....	0·03	59·28	50·0 " ..	1384	"
.....	0·02	59·43	50·0 " ..	1385	"
.....	0·02	56·19	49·8 " ..	1386	"
.....	0·05	60·03	50·0 Red.....	1387	"
.....	0·03	63·50	50·3 None.....	1388	"
Pure Lard.....	0·04	72·88	52·9 Red.....	1389	Contains cotton seed oil. Adulterated.

J. J. COSTIGAN, INSPECTOR.

Sold as pure.....	0·03	59·50	50·2 Red.....	40941	Genuine.
.....	0·02	61·14	50·1 None.....	40942	"
.....	0·03	59·57	50·0 " ..	40943	"
.....	0·02	63·50	50·7 Faint pink..	40943	"
Sold as pure.....	0·04	59·73	50·0 Pink.....	40944	"
.....	0·03	59·46	50·3 Faint pink..	40945	"
.....	0·03	59·49	49·9 None.....	40946	"
.....	0·07	60·18	50·4 Pink.....	40947	"
.....	0·04	56·41	49·8 None.....	40948	"
.....	0·05	64·25	50·9 Light pink..	40949	"
Pure.....	0·02	62·74	50·5 None... .	40950	"

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by The Vendor.	
					Quantity.	Manufacturer.

## DISTRICT OF MONTREAL—

Oct.	24	Lard.....	40952 E. Masse, St. Agathe 1 lb de Monta, P.Q.	15	.....	
"	27	" .....	40953 E. Dufour, Joliette, 1 " .. P.Q.	15	Laing P. & P. Co., Ltd.	
"	27	" .....	40954 O. Chevalier et fils, 1 " .. Joliette, P.Q.	15	Davies Ltd., Montreal	
Nov.	3	" .....	40955 E. W. Farrell, 79 St. 1 " .. Antoine St. West, Montreal.	18	The Geo. Matthews Co., Ltd.	
"	3	" .....	40956 J. A. Renaud, 622 St. 1 " .. Antoine St. West, Montreal.	15	.....	
"	3	" .....	40957 Davies Ltd., 1640 B St. 1 " .. James St., Montreal.	16	Vendors	
"	3	" .....	40958 A. Pilon, 1681 Notre Dame West, Mont-1 " .. real.	16	.....	
"	3	" .....	40959 P. Lebrun, 1662 Notre Dame West, Mont-1 " .. real.	18	Fowler's Canadian Co., Ltd.	
"	3	" .....	40960 H. Desmarais, 1650 Notre Dame West, 1 " .. Montreal.	15	.....	

## DISTRICT OF OTTAWA—

Oct.	10	Lard.....	49011 Peter Spears & Co., 1 lb Carleton Place.	18	The Geo. Matthews Co., Ltd., Hull.	
"	10	" .....	49012 Wm. Jenkins, Carleton 1 " .. Place.	16	The Park-Blackwell, Ltd., Toronto.	
"	12	" .....	49013 W. E. Parsons, Arn-1 " .. prior.	15	The Geo. Matthews Co., Ltd., Hull.	
"	12	" .....	49014 T. McCormick, Arn-1 " .. prior.	15	Fowler's Canadian Co., Ltd., Hamilton.	
"	13	" .....	49015 L. M. Davison, Kempt-1 " .. ville.	18	Gilmour & Co., Brock- ville.	
"	16	" .....	49016 D. J. Dick, Almonte.. 1 " ..	15	The Geo. Matthews Co., Ltd., Hull.	
"	16	" .....	49017 Fred W. Robertson, 1 " .. Almonte.	15	Fowler's Canadian Co., Ltd., Hamilton.	
"	20	" .....	49018 Sanders, Soule & Cas-1 " .. selman Co., Ltd., Chesterville.	16	The Geo. Matthews Co., Ltd., Hull.	
"	20	" .....	49019 Chester Casselman, 1 " .. Chesterville.	15	The Win. Davies Co., Toronto.	
"	25	" .....	49020 A. Moreland, Bank st., 1 " .. Ottawa.	18	Gunn's, Ltd., Toronto Bate & Co., Ottawa.	
"	25	" .....	49051 H. Armstrong, Bank 1 " .. st., Ottawa.	17	Fowler's Can. Co., Ltd., Hamilton.	
"	26	" .....	49052 A.E. Rea & Co., Ottawa 1 " ..	18	Gunn's, Ltd., West Toronto.	
"	25	" .....	49053 The Geo. Matthews 1 " .. Co., Ltd., By Ward Market, Ottawa.	15	Vendors	
"	25	" .....	49054 " " " 1 "	17	.....	

## LARD.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Num- ber (Haus.)	Butyro- Re- fractometer at 40°C.	Halphen Re- action.		
<b>J. J. COSTIGAN, INSPECTOR—Concluded,</b>						
Sold as pure.....	0·02	57·44	49·7	None.....	40952	Genuine
Labelled extra pure lard.....	0·06	62·12	50·8	Red.....	40953	"
Labelled pure.....	0·04	61·51	50·4	None.....	40954	"
.....	0·07	59·91	50·0	Red.....	40955	"
.....	0·03	58·50	50·1	None.....	40956	"
.....	0·03	60·87	50·3	".....	40957	"
.....	0·04	60·00	50·2	".....	40958	"
.....	0·04	60·94	50·1	Light pink.	40959	"
.....	0·06	59·57	50·0	None.....	40960	"

**J. A. RICKY, INSPECTOR.**

.....	0·04	56·63	49·9	None.....	49011	Genuine.
Labelled choice family lard ; pure lard.	0·03	53·91	50·6	".....	49012	"
Matthews pure lard.....	0·07	63·71	50·9	".....	49013	"
Imperial pure lard.....	0·07	60·85	50·3	".....	49014	"
Pure lard.....	0·07	58·61	50·1	".....	49015	"
Buttercup Brand.....	0·07	63·22	50·5	".....	49016	"
Imperial pure lard.....	0·05	60·18	50·8	".....	49017	"
Choice pure lard.....	0·08	60·97	51·1	".....	49018	"
.....	0·04	59·18	50·2	Faint pink..	49019	"
.....	0·03	56·50	49·9	".....	49020	"
Pure lard. L. & S. Best....	0·03	59·13	50·0	None.....	49051	"
Maple Leaf ; pure lard.....	0·03	58·87	50·2	".....	49052	"
Matthews pure lard.....	0·04	58·92	50·0	".....	49053	"
Rose Brand .....	0·03	56·88	49·9	".....	49064	"

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost. Cents.	Name and Address of Manufacturer or Furnisher as given by the Vendor.
				Quantity. Cents.	Manufacturer. Furnisher.
DISTRICT OF OTTAWA—					
1911.					
Oct. 26	Lard...	49055	Goodall Bros., Ottawa	3 lbs .	50 D. B. Martin, West
" 26	"	49056	A. P. Johnson, Ottawa	1 "	18 Jno. Duff & Son,
" 26	"	49057	The Geo. Matthews Co., Ltd., Queen St.	1 "	15 Vendors
" 25	"	49058	West, Ottawa.	1 "	15 The Geo. Matthews, Ltd., Hull.
" 26	"	49059	Jos. Martel, Hull, P.Q.	1 "	15 Jos. O'Mara, Palmers
" 27	"	49060	Hull, P.Q.	1 "	18 D. B. Martin, Ltd., West Toronto.

					DISTRICT OF KINGSTON—
Nov. 1	Lard.	48554	W. E. Hopkinson, Kingston.	1 lb.	20 Anderson Bros.,
" 1	"	48555	Geo. Gibson, Kingston	1 "	15 Gunn's Ltd., West
" 1	"	48556	L. W. Murphy, Kingston.	1 "	15 J. Y. Parkhill, King- ston.
" 1	"	48557	J. Cullen, Kingston	1 "	16 Geo. Matthews,
" 1	"	48558	C. Saunders, Kingston	1 "	15 Peterboro.
" 1	"	48559	C. H. Pickering, King- ton.	1 "	15 Geo. Robertson &
" 1	"	48560	Anderson Bros., King- ton.	1 "	15 Son, Kingston.
" 1	"	48561	E. S. Suddard, King- ton.	1 "	15 Gunn's Ltd., West
" 1	"	48562	D. Couper, Kingston	1 "	15 Geo. Matthews,
" 1	"	48563	Kelley Bros., Kingston	1 "	15 Peterboro.
" 2	"	48564	M. Nolan, Kingston	1 "	15 Freeman, Hamilton.
" 2	"	48565	J. Crawford, Kingston	1 "	17 Geo. Matthews,
" 2	"	48566	D. B. Gage, Kingston	1 "	15 Peterboro.
" 2	"	48567	J. Lemmon, Kingston	1 "	15 Fowlers, Hamilton.
" 2	"	48568	A. Donaldson, Kingston.	1 "	15 Geo. Matthews,
" 2	"	48569	J. T. Morris, Kingston	1 "	15 A. Maclean, Kingston
" 4	"	48570	G. D. Vallean, King- ton.	1 "	14 J. Y. Parkhill, King- ston.
" 4	"	48571	J. McCulla, Kingston	1 "	16 Gunn's Ltd., West
" 4	"	48572	J. R. B. Gage, King- ton.	1 "	16 Fowlers, Hamilton.
" 4	"	48573	J. Redden, Kingston	1 "	15 Gunn's Ltd., West
					15 Anderson Bros.,
					Kingston.

## LARD.

RESULTS OF ANALYSIS.					
Inspector's Report. (Is not an expression of opinion.)	Water.	Iodine Num- ber (Hanus).	Butyro Re- fractometer at 40° C.	Halphen Reaction.	No. of Sample.
<b>J. A. RICKY, INSPECTOR - Concluded,</b>					
	p. c.				
	0·02	59·32	50·1	None.	49055 Genuine
Horse Shoe Brand.	0·03	60·75	50·8	"	49056 "
Matthews pure lard.	0·04	60·18	50·2	"	49057 "
Rose Brand	0·04	57·00	49·9	"	49058 "
Pure lard	0·09	57·01	50·6	"	49059 "
	0·08	59·65	50·1	"	49060 "
<b>JAS. HOGAN, INSPECTOR.</b>					
	0·03	59·07	50·0	None	48554 Genuine.
	0·03	60·59	50·5	"	48555 "
	0·05	59·78	50·1	"	48556 "
	0·06	59·50	50·5	"	48557 "
	0·04	59·72	50·2	Pink..	48558 "
	0·04	59·63	50·0	None	48559 "
	0·08	59·76	50·0	"	48560 "
	0·06	58·61	50·0	"	48561 "
	0·05	59·43	50·2	"	48562 "
	0·04	59·03	50·0	"	48563 "
	0·04	61·23	50·5	"	48564 "
	0·03	62·63	50·7	"	48565 "
	0·04	55·89	49·4	Faint Pink..	48566 "
	0·03	51·00	49·0	None	48567 "
	0·04	60·23	50·1	"	48568 "
	0·03	59·15	50·3	Pink..	48569 "
	0·02	57·63	50·0	None	48570 "
	0·03	61·23	50·5	"	48571 "
	0·03	61·65	50·9	Pink..	48572 "
	0·04	58·44	50·2	None	48573 "

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	
					Quantity.	Cents.

## DISTRICT OF TORONTO—

Oct. 24	Lard.....	47360	C. W. Fox, Owen 1 lb. Sound.	15	Gunn's, Ltd, Toronto	.....	
" 11	" .....	47365	James Blake, 393 Mary 1 "	15	F. W. Fearman Co., Ltd., Hamilton.	.....	
" 16	" .....	47366	B. Chrysler, Mary St., 1 "	15	Fowler's Can. Co., Hamilton.	.....	
" 18	" .....	47367	A. E. Cronk, Cannon 1 "	14	Jno. Duff & Son, Hamilton.	.....	
" 18	" .....	47368	A. T. Prosser, 2141 "	15	Gunn's Ltd., Tor- onto.	.....	
" 20	" .....	47369	H. A. Tubb, 337 Par- liament St., Toronto.	17	Puddy Bros., Tor- onto.	.....	
" 20	" .....	47370	E. Handley, 268 Spad- iar St., Toronto.	16	.....	.....	
" 23	" .....	47371	F. H. Arkell, Orange- ville.	15	Gunn's Ltd., Tor- onto.	.....	
" 23	" .....	47372	T. Durkin & Son, 1 "	15	.....	.....	
" 24	" .....	47373	J. R. Boyd, Owen 1 "	15	Vendor.	.....	
" 24	" .....	47374	M. A. Goetz, Owen 1 "	17	"	.....	
" 24	" .....	47375	J. McQuaker & Co., 1 "	15	Whyte Packing Co., Stratford.	.....	
" 26	" .....	47376	D. Gibbons & Sons, 1 "	15	The Ingersoll Packing Co., Ltd., Ingersoll	.....	
" 26	" .....	47377	Brown Bros., Meaford.	1 "	15	The Collingwood Packing Co., Ltd., Collingwood.	.....
" 26	" .....	47378	T. M. McKeown, Col- lingwood.	1 "	15	Swift Can. Co., Ltd., W. Toronto.	.....
" 27	" .....	47379	J. Bingham & Son, 1 "	15	Vendors.	.....	
Nov. 2	" .....	47380	W. B. Pringle & Co., 1 "	17	The Wm. Davies Co., Ltd., Toronto.	.....	
" 2	" .....	47381	Mathison Bros. White- by.	1 "	18	The Geo. Matthews Co., Ltd., Peterboro	.....
" 2	" .....	47382	C. H. Crysdale & Son, 1 "	15	Fowlers Can. Co., Ltd., Hamilton.	.....	
" 2	" .....	47382	Brooks & Armour, Os- hawa.	1 "	16	Vendors.	.....

## DISTRICT OF WINDSOR—

Oct. 16.	Lard.....	47861	M. Vansycle, St. Tho 1 lb. mas.	10	St. Thomas Packing Co.	.....
" 16.	" .....	47860	A. J. Kadwell, St. 1 "	16	Geo. Matthews Co., Brantford.	.....
" 16.	" .....	47863	Karstadt & Mahler, St. 1 "	18	Tillsonburg Packing Co.	.....
" 16.	" .....	47868	St. Thomas Packing 1 "	nil	Vendors.	.....
" 16.	" .....	47812	R. T. Pencombe, St. 1 "	16	Fowler's Canadian Co., Hamilton.	.....
" 17.	" .....	47865	Orendorff Bros., Ridge- town.	15	Geo. Matthews Co., Brantford.	.....

## LARD.

Inspector's Report. (Is not an expression of opinion.)	RESULT OF ANALYSIS.				No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water. p.c.	Iodine Number (Hanus).	Buoy Re- fractometer at 40°C.	Halphen Re- action.		

H. J. DAGER, INSPECTOR.

"Maple Leaf" Brand. Pure Lard.	0·04 59·50	50·3	None .....	47360	Genuine.
	0·03 58·32	50·0	" .....	47365	"
	0·03 63·75	51·0	" .....	47366	"
	0·03 61·01	50·4	" .....	47367	"
	0·04 52·56	49·0	" .....	47368	"
	0·04 57·91	50·1	" .....	47369	"
	0·03 56·17	51·2	" .....	47370	"
"Maple Leaf" Pure Lard.	0·04 61·38	50·5	" .....	47371	"
	0·04 62·24	50·5	Pink .....	47372	"
	0·13 57·18	49·7	None .....	47373	"
	0·04 56·06	49·8	" .....	47374	"
	0·02 60·35	50·4	" .....	47375	"
"Beaver" Brand.	1·17 61·73	50·8	" .....	47376	Water in excess. Duplicate sample gave 1·52 p.c. moisture.
	0·03 56·97	49·9	Pink .....	47377	Genuine.
"Silver Leaf" Brand. Guaranteed Pure Lard. Leaf Lard.	0·04 68·28	51·5	None .....	47378	"
	0·03 62·20	51·0	" .....	47379	"
	0·03 61·97	50·5	" .....	47380	"
"Rose" Brand	0·04 53·91	49·2	" .....	47381	"
	0·04 60·49	50·5	Faint pink..	47382	"
	0·06 59·95	50·6	None .....	47383	"

JNO. TALBOT, INSPECTOR.

Labelled Pure Family Lard.	0·06 62·50	50·9	None ...	47801	Genuine.
	0·08 64·26	51·3	" .....	47802	"
Labelled London T. P. C. Pure Lard	0·04 60·19	50·4	Faint pink..	47803	"
	0·11 59·72	50·3	None .....	47808	"
Labelled Fowler's Pure Lard, L. & S. Best.	0·04 60·67	50·2	Faint pink..	47812	"
Labelled Geo. Matthews' Pure Lard.	0·02 61·72	50·7	None .....	47816	"

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of the Manufacturer or Furnisher, as given by the Vendor.		
					Quantity.	Cents.	Manufacturer.

## DISTRICT OF WINDSOR—

1911.							
Oct. 17	Lard....	47823	Clark & Sons, Ridge- town.	1 lb.	15	Geo. Matthews Co., Brantford.	
" 18	" ....	47825	B. C. Watson, Leam- ington.	1 "	15	F. W. Fearman, Ham- ilton.	
" 18	" ....	47829	B. & W. McIntyre, Leamington.	1 "	16	Geo. Matthews Co., Brantford.	
" 18	" ....	47834	R. T. Moran, Leam- ton.	1 "	16	F. W. Fearman Co., Hamilton.	
" 20	" ....	47850	Wm. Rodgers, Chat- ham.	1 1/2 lb.	20	Dom. Provision Co., London.	
" 20	" ....	47861	E. R. Snook, Chatham.	1 1/2 "	20	F. W. Fearman, Ham- ilton.	
" 20	" ....	47852	Jas. Teft, Chatham.	1 tin.	40	Vendor	
" 20	" ....	47853	M. Taylor, Chatham.	1 1/2 lb.	13	Fowler's Can. Co., Hamilton.	
" 23	" ....	47859	Geo. Jackson, London.	1 lb.	15	Vendor	
" 23	" ....	47860	T. Hamlyn, London.	1 "	15	"	
" 23	" ....	47861	H. A. Schafer, London.	1 "	15	Tillson Packing Co., Tillsonburg.	
" 23	" ....	47862	F. T. Adams, London.	1 "	13	Vendor	

## DISTRICT OF MANITOBA—

Nov.	6	Lard....	47448	D. Christie, Winnipeg.	1 lb.	15	Wm. Davis & Co., Toronto.	Unknown
"	6	" ....	47449	Robertson & Co., Win- nipeg.	1 "	26	Western Packing Co., Winnipeg.	
"	6	" ....	47450	J. Patterson, Winnipeg	1 "	26	Gordon Ironsides, Fares Co., Win- nipeg.	
"	6	" ....	47451	The W. H. Stone & Co., Winnipeg.	1 "	20	Swift Canadian Co., Winnipeg.	Manufacturers.
"	6	" ....	47452	M. Brown, Winnipeg.	1 "	20		
"	6	" ....	47454	F. E. Crone, Winnipeg	1 "	20	Swift Canadian Co., Winnipeg.	Unknown
"	6	" ....	47455	F. Fawley, Winnipeg.	1 "	20	Gordon Ironsides, Fares Co., Win- nipeg.	
"	6	" ....	47456	H. Menlove, Win- nipeg.	1 "	20		
"	7	" ....	47457	Chilton Bros., Norwood Grove, Man.	1 "	15	Western Packing Co., Winnipeg.	
"	7	" ....	47458	John Donnelly & Son, Norwood Grove, Man.	1 "	20	Swift Canadian Co.	
"	7	" ....	47459	W. J. Kennedy, Nor- wood Grove, Man.	1 "	20	F. W. Fearman & Co., Hamilton.	
"	"	" ....	47460	W. T. Francis, Nor- wood Grove, Man.	1 "	20	Gordon Ironsides, Fares Co., Win- nipeg.	
"	8	" ....	47461	T. and B. Grocery, Win- nipeg.	1 "	20	Western Packing Co., Winnipeg.	

## LARD.

Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.				No. of Sample.	Remarks, and opinion of the Chief Analyst.
	Water.	Iodine Number (Haus).	Butyro-refractometer at 40° C.	Halphen Reaction.		

JNO. TALBOT, INSPECTOR—Concluded.

	p. c.					
Labelled Family Lard.....	0·07	66·52	51·3	None .....	47823	Genuine
.....	0·04	60·71	50·4	" .....	47825	"
.....	0·06	61·89	50·6	" .....	47829	"
Labelled 'Star' Brand Pure Lard.....	0·12	59·60	50·6	" .....	47834	"
.....	0·09	59·30	50·0	" .....	47850	"
.....	0·07	62·61	50·7	Faint pink..	47861	"
Labelled Pure Lard.....	0·03	58·77	49·8	None .....	47862	"
Labelled L. & S. Pure Lard.....	0·07	63·25	50·9	" .....	47853	"
.....	0·08	60·90	50·3	" .....	47859	"
.....	0·09	59·72	50·1	" .....	47860	"
Labelled Loudon's T. P. C. Pure Lard.....	0·04	55·40	49·7	" .....	47861	"
.....	0·06	60·09	50·1	" .....	47862	"

A. C. LARIVIERE, INSPECTOR.

.....	0·03	64·21	51·1	None .....	47448	Genuine.
.....	0·41	56·55	51·2	" .....	47449	"
.....	0·04	53·50	51·0	" .....	47450	"
.....	0·02	67·43	50·3	Faint pink..	47451	"
.....	0·03	62·56	50·6	Light pink..	47452	"
.....	0·02	67·50	51·3	Faint pink..	47454	"
.....	0·10	53·84	50·8	None .....	47455	"
.....	0·19	54·92	50·7	" .....	47456	"
.....	0·06	57·81	50·9	" .....	47457	"
.....	0·03	64·23	50·8	Faint pink..	47458	"
"Star Brand".....	0·02	62·06	50·4	Pink .....	47459	"
.....	0·03	57·04	49·8	Faint pink..	47460	"
.....	0·03	60·32	50·0	None .....	47461	"

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.
<b>DISTRICT OF MANITOBA</b>							
1911.							
Nov. 8	Lard.....	47462	C. J. Caswell, Winnipeg.	1 lb	20	Gallagher, Holman, Lafrance, Winnipeg	.....
" 8 "	.....	47463	W. Rourke & Co., Winnipeg.	1 "	20	Armour & Co.	.....
" 8 "	.....	47464	Walter Fee, Winnipeg.	1 "	20	Swift Canadian Co., Unknown	.....
" 9 "	.....	47465	H. A. Webb (Elmwood), Winnipeg.	1 "	15	Unknown	.....
" 9 "	.....	47466	Reiner Trading Co., (Elmwood), Winnipeg.	1 "	20	Swift Canadian Co.,	.....
" 9 "	.....	47467	R. Beath & Son (Elmwood), Winnipeg.	1 "	18	Winnipeg.	.....
" 9 "	.....	47473	Wm. Coates, Winnipeg	1 "	18	Gordon, Ironside & Fares, Winnipeg.	.....
<b>DISTRICT OF CALGARY</b>							
Nov. 9	Lard. . .	44021	J. T. Bell & Sons, Medicine Hat.	1 lb	20	Vendors.	.....
" 9 "	.....	44022	H. W. Ireland & Co., Medicine Hat.	3 "	60	Gallagher, Holman, Lafrance Co., Winnipeg.	.....
" 9 "	.....	44023	Spencer & Todd, Medicine Hat.	1 "	25	Swift Canadian Co., Edmonton.	.....
" 9 "	.....	44024	L. B. Cochran, Medicine Hat.	1 "	25	" "	.....
" 9 "	.....	44025	R. Mitchell, Medicine Hat.	1 "	20	Vendor.	.....
" 9 "	.....	44026	LePage Bros., Medicine Hat.	1 "	25	Swift Canadian Co., Edmonton.	.....
" 9 "	.....	44027	Hewitt & Armstrong, Medicine Hat.	1 "	25	Gallagher, Holman, Lafrance Co., Winnipeg.	.....
" 9 "	.....	44028	H. Morrow, Medicine Hat.	1 "	25	Swift Canadian Co., Edmonton.	.....
" 9 "	.....	44029	A. W. Curran, Medicine Hat.	1 "	25	" "	.....
" 9 "	.....	44030	J. T. Bell & Sons, Medicine Hat.	1 "	25	Vendors.	.....
" 20 "	.....	44031	R. J. Frizzle, Calgary.	1 "	20	Swift Canadian Co., Winnipeg.	.....
" 20 "	.....	44032	C. Bradley, Calgary.	1 "	20	P. Burns & Co., Calgary.	.....
" 20 "	.....	44033	Sugden & Morse, Calgary.	1 "	20	Swift Canadian Co., Edmonton.	.....
" 20 "	.....	44034	C. Wrightson & Son, Calgary.	1 "	20	Dom. Meat Co., Calgary.	.....
" 20 "	.....	44035	Jenkins & Co., Calgary.	1 "	20	Swift Canadian Co., Edmonton	.....
" 20 "	.....	44036	Summers & Cornfoot, Calgary.	1 "	20	" "	.....
" 22 "	.....	44037	P. Burns & Co., Ltd., East Calgary.	1 "	20	Vendors.	.....
" 22 "	.....	44038	Hughes Meat Co., Calgary.	1 "	20	Swift Canadian Co., Edmonton.	.....
" 22 "	.....	44039	Swift Canadian Co., Ltd., Calgary.	1 "	20	" "	.....
" 22 "	.....	44040	The Dom. Meat Co., Ltd., Calgary.	1 "	20	Vendors.	.....

## LARD.

RESULTS OF ANALYSIS.					
Inspector's Report. (Is not an expression of opinion).	Water.	Iodine number (Hansen).	Butyro Refractometer at 60°C.	Halphen Reaction.	No. of Sample.
<b>A. C. LARIVIERE, INSPECTOR—Concluded.</b>					
.....	p. c.	0.03	56.98	49.9 Faint pink.	47462 Genuine
Armour Shield. Pure Lard.	0.04	67.50	51.2	"	47463 "
.....	0.02	67.69	51.4	"	47464 "
.....	0.04	57.34	50.1	"	47465 "
.....	0.03	64.98	50.7	"	47466 "
.....	0.03	64.13	50.9	Light pink.	47467 "
.....	0.04	56.47	49.7	None.....	47473 "
<b>R. W. FLETCHER, INSPECTOR.</b>					
.....	0.04	61.89	50.3	None.....	44021 Genuine.
.....	0.04	62.75	51.1	Faint pink.	44022 "
.....	0.04	64.24	51.0	Light pink.	44023 "
.....	0.03	66.91	51.1	"	44024 "
.....	0.04	62.16	50.5	None.....	44025 "
.....	0.02	63.26	51.0	Faint pink.	44026 "
.....	0.02	62.87	51.0	"	44027 "
.....	0.04	65.49	51.1	Pink.....	44028 "
.....	0.04	68.38	51.0	Light pink.	44029 "
.....	0.03	62.23	50.4	None.....	44030 "
.....	0.02	66.24	51.2	Faint pink.	44031 "
.....	0.02	63.50	50.5	Pink.....	44032 "
.....	0.03	67.71	51.3	Faint pink.	44033 "
.....	0.02	62.99	50.5	None.....	44034 "
.....	0.02	64.21	50.7	Light pink.	44035 "
.....	0.02	64.22	51.0	Faint pink.	44036 "
.....	0.01	63.61	51.0	Red.....	44037 "
.....	0.03	65.85	51.4	None.....	44038 "
.....	0.02	63.50	51.0	Faint pink.	44039 "
.....	0.03	63.50	50.9	"	44040 "

## BULLETIN No. 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF NELSON—

1911.							
Oct. 19	Lard.....	48436	Trites, Wood Co., Fernie, B.C.	3 lbs.	56	Armour & Co., Chicago.	
" 19	" .....	48437	"	3 "	55	Swift Can. Co., Edmonton.	
" 19	" .....	48438	"	3 "	55	P. Burns & Co., Calgary.	
" 27	" .....	48449	W. R. Braden & Son, Rossland, B.C.	1 pail.	60	Swift Can. Co., Edmonton.	
" 27	" .....	48454	Union Coop. Assocn., Rossland, B.C.	1 "	65	"	
" 27	" .....	48461	Hunter Bros., Rossland, B.C.	1 "	90	E. H. Stanton & Co., Spokane.	
" 27	" .....	48462	"	1 "	60	Swift Can. Co., Edmonton.	
" 27	" .....	48467	N. Laface, Rossland, B.C.	1 "	60	Armour & Co., Chicago.	
" 27	" .....	48468	P. Burns & Co., Rossland, B.C.	1 "	60	P. Burns & Co., Calgary.	
" 27	" .....	48469	"	1 lb.	20	Vendors.	
" 28	" .....	48470	Union Grocery, Nelson.	1 pail.	55	Armour & Co., Chicago.	
" 28	" .....	48471	"	1 "	55	G. Matthews Co., Peterboro.	
" 28	" .....	48472	W. W. Harris, Nelson.	1 "	60	P. Burns & Co., Calgary.	
" 28	" .....	48473	"	1 "	60	Swift Can. Co., Edmonton.	
" 28	" .....	48474	"	1 "	90	Armour & Co., Chicago.	
" 28	" .....	48475	P. Burns & Co., Nelson.	1 "	95	Park, Blackwell Co., Toronto.	
" 28	" .....	48476	"	1 "	95	Armour & Co., Chicago.	
" 28	" .....	48477	"	1 "	95	P. Burns & Co., Calgary.	
" 28	" .....	48478	A. S. Horswill, Nelson.	1 "	55	Swift Can. Co., Edmonton.	
" 28	" .....	48479	"	1 "	55	Armour & Co., Chicago.	

## DISTRICT OF VANCOUVER—

Oct. 23	Lard.....	38235	Vancouver-Prince Rupert Meat Co., Vancouver.	1 lb.	15	Vendors.	
" 23	" .....	38236	Andrew Reid, Robson st., Vancouver.	1 "	20	Wm. Davies, Toronto.	
" 23	" .....	38237	W. E. Morrison, Public Market, Vancouver.	1 "	20	Swift & Co., Winnipeg.	
" 23	" .....	38238	Gray & Co., Granville Market, Vancouver.	1 "	20	P. Burns & Co., Vancouver.	
" 23	" .....	38239	F. R. Stewart, Water st., Vancouver.	1 "	15	Frye & Co., Seattle, Wash.	

## LARD.

Inspector's Report (Is not an expression of opinion.)	RESULTS OF ANALYSIS.					No. of Sample.	Remarks and Opinion of the Chief Analyst.
	Water.	Iodine Num. ber(Haus.)	Butoy Re- fractometer at +9°C.		Haphen Re- action.		

THOS. PARKER, INSPECTOR.

	p. c.						
	0·04	68·46	51·6	None.....	4843	6	Genuine.
	0·04	65·71	51·5	" .....	48437	"	
	0·05	63·75	50·8	" .....	48438	"	
	1·00	65·98	51·3	Faint Pink..	48449	"	
	0·06	65·68	51·4	None.....	48454	"	
	0·07	64·11	50·9	" .....	48461	"	
	0·02	68·17	51·6	" .....	48462	"	
	0·10	65·11	52·2	" .....	48467	"	
	0·04	61·88	50·7	Faint Pink..	48468	"	
	0·05	58·55	50·1	None.....	48469	"	
	0·06	66·25	51·1	Faint Pink..	48470	"	
	0·04	62·99	50·6	" .....	48471	"	
	1·14	62·88	50·9	" .....	48472	Excess water. Duplicate sample gave 1·14 p.c. water.	
	0·04	67·23	51·1	" .....	48473	Genuine.	
	0·04	69·60	51·6	" .....	48474	"	
	0·13	60·10	51·8	" .....	48475	"	
	0·04	65·33	50·9	None.....	48476	"	
	0·03	63·27	51·0	Pink.....	48477	"	
	0·04	65·07	51·0	" .....	48478	"	
	0·03	60·16	50·1	None....	48479	"	

J. F. POWER, INSPECTOR.

	0·03	60·80	50·5	None.....	38235	Genuine.
	0·03	58·52	50·0	" .....	38236	"
Guaranteed pure lard.	0·02	64·12	51·0	" .....	38237	"
	0·03	62·75	50·5	Pink.....	38238	"
	0·03	65·58	51·1	Faint pink..	38239	"

## BULLETIN No 237—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	
				Quantity.	Cents.	Manufacturer.	Furnisher.

## DISTRICT OF VANCOUVER—

1911.							
Oct. 25	Lard.....	3F240	Blain's Grocery, Nicola st., Vancouver.	1 lb ..	20	Morrell & Co., Ottumwa, Ia., U.S.A.	
" 26	" .....	38241	W. H. Walsh & Co., 1 Seymour st., Van- couver.	1 " ..	20	P. Burns & Co., Van- couver.	
" 26	" .....	38242	Wm. Crossan, Davie st., Vancouver.	1 " ..	20		
" 25	" .....	38243	J. Atkins, Hamilton st., Vancouver.	1 " ..	20		

## DISTRICT OF VICTORIA—

Oct. 25	Lard. ....	47641	Windsor Grocery Co., Victoria.	1 lb ..	20	Frye, Bruhn & Co., Seattle, Wash.	
" 26	" .....	47642	The West End Grocery Co., Ltd., Victoria.	1 " ..	20	Jno. Morrell & Co., Ottumwa, Ia., U.S.A.	
" 26	" .....	47643	" " " ..	1 " ..	20	Swift Can. Co., Ltd., Winnipeg.	
Nov. 9	" .....	47644	Copas & Young, Vic- toria.	1 " ..	20	Jno. Morrell & Co., Ottumwa, Ia., U.S.A.	
" 9	" .....	47645	Wm. B. Hall, Victoria.	1 " ..	20	Swift Can. Co., Ltd., Winnipeg	
" 13	" .....	47646	Erskine & Co., Victoria	1 " ..	20	" " "	
" 15	" .....	47647	D. H. Ross, Victoria.	1½ " ..	30	Frye Bruhn Co., Seattle, Wash.	
" 15	" .....	47648	Harrison & McDonald, Victoria.	1 " ..	20	Jno. Morrell & Co., Ottumwa, Ia., U.S.A.	
" 16	" .....	47649	E. G. Bailey, Victoria.	1 " ..	25	Frye Bruhn Co., Seattle, Wash.	
" 16	" .....	47650	Acton Bros., Victoria.	3 " ..	55	Swift Can. Co., Ltd., Winnipeg.	

## LARD.

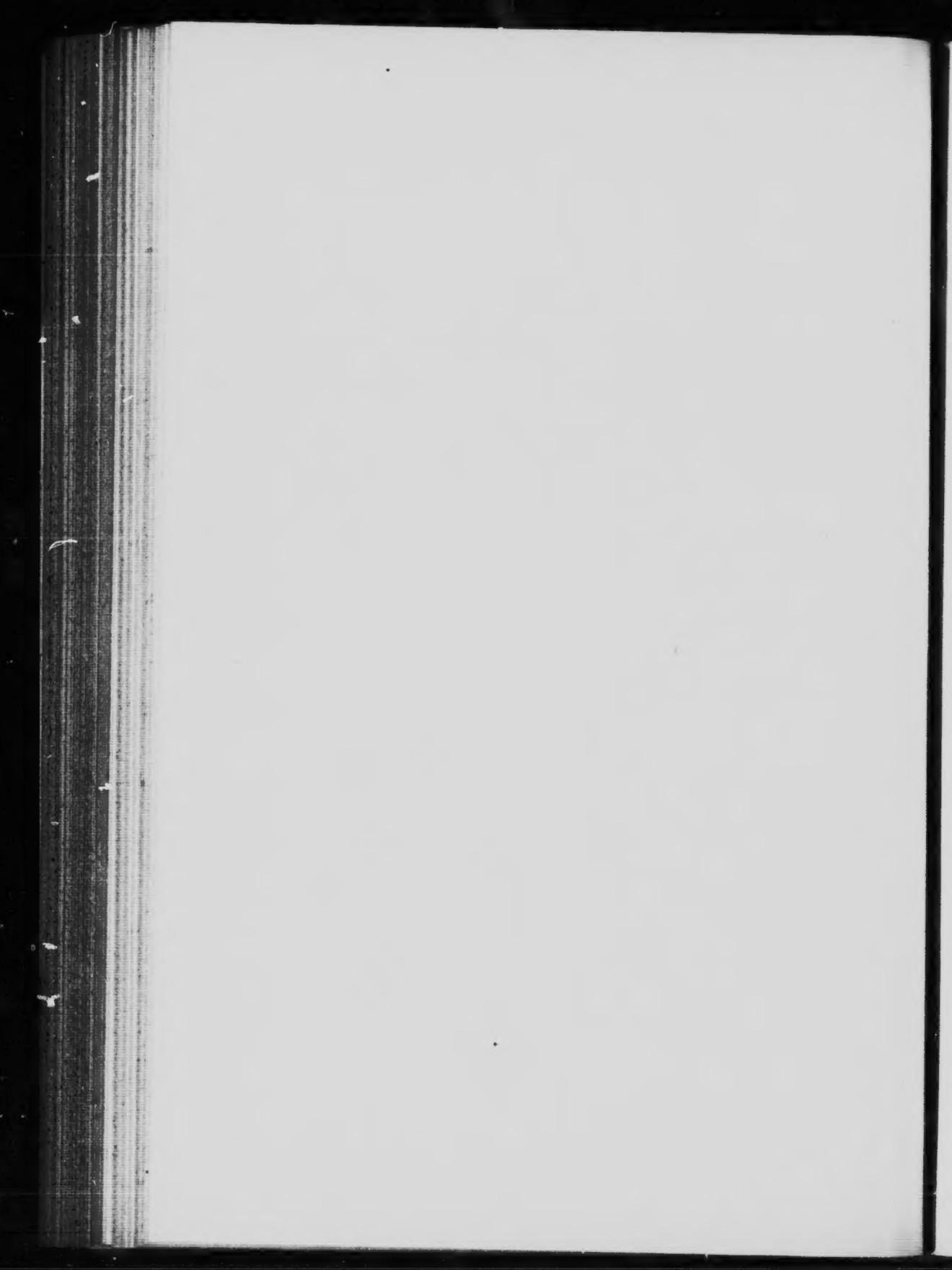
Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.					No. of Sample.	Remarks and opinion of the Chief Analyst.
	Water.	Iodine Number (Hanus).	Butyro Refractometer at 40° C.	Halphen Reaction.			

## J. F. POWER, INSPECTOR—Concluded.

	p. c.						
	0·03	67·06	51·3	None . . . . .	38240	Genuine.	
	0·03	62·48	50·5	Faint pink. . . . .	38241	"	
	0·03	71·33	52·1	Red . . . . .	38242	Contains cotton seed oil. Adulterated.	
Packed by vendor from P. Burus bulk article.	0·02	61·67	50·5	Faint pink. . . . .	38243	Genuine.	

## D. O'SULLIVAN, INSPECTOR.

'Wild Rose' Brand; pure lard.	0·15	67·16	51·9	Faint pink. . . . .	47641	Genuine.
Morrell's warranted pure lard	0·05	65·65	51·6	None. . . . .	47642	"
Swift's 'Silver Leaf' Brand pure lard.	0·06	65·75	51·5	" . . . . .	47643	"
	0·03	65·56	51·3	" . . . . .	47644	"
	0·05	63·62	51·0	Faint pink. . . . .	47645	"
Swift's pure lard . . . . .	0·04	64·46	51·2	" . . . . .	47646	"
Wild Rose brand pure lard ..	0·04	65·12	51·0	" . . . . .	47647	"
Morrell's warranted pure lard	0·02	66·11	51·5	" . . . . .	47648	"
'Wild Rose' brand pure lard	0·03	68·16	51·4	Light pink. . . . .	47649	"
	0·04	63·37	51·2	None. . . . .	47650	"



## SUPPLEMENT TO BULLETIN No. 227 FERTILIZERS 19II.

### CORRECTIONS.

Bulletin No. 227, page 11, sample No. 36942. This sample is found to contain 20·1 per cent. of phosphoric acid. It is identical with sample No. 46637 on page 5 of the same Bulletin, and the percentage of phosphoric acid there given as 12·25 should read 20·1—Sample 46637 is therefore up to its guarantee in phosphoric acid. The mistake was due to confusion of a license number with a registration number, by the Analyst.